

UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner: Group: Attorney Docket # 1984

Applicant(s) : KOTLARSKI, T.

Serial No. :

Filed :

For : WIPER BLADE OF VARIOUS SIZES FOR MOTOR
VEHICLE GLASS

SIMULTANEOUS AMENDMENT

March 18, 2002

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

S I R S:

Simultaneously with filing of the above identified application
please amend the same as follows:

In the Claims:

Cancel all claims without prejudice.

Substitute the claims attached hereto.

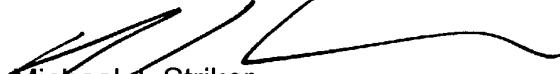
REMARKS:

This Amendment is submitted simultaneously with filing of the above identified application.

With the present Amendment applicant has amended the claims so as to eliminate their multiple dependency.

Consideration and allowance of the present application is most respectfully requested.

Respectfully submitted,


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Claims

1. Wiper blades of various dimensions for windows of motor vehicles, with band-like, elongated, spring-elastic support elements (14), each for a respective wiper strip (22), which is associated with each wiper blade (10), can be placed against the window (12), and is disposed on the lower band surface (21) oriented toward the window, where in a longitudinal midsection of each support element, the upper band surface (15) oriented away from the window supports a wiper blade half (16) of a connecting device (18), characterized in that the widths (36) of the support elements in this longitudinal midsection are the same size independent of the other dimensions of these support elements.
2. The wiper blades according to claim 1, characterized in that the wiper blade half (16) of the connecting device (18) embraces the two remote outer longitudinal edges (34) of each support element (14) in a form-fitting manner with longitudinal shoulders (31).
3. The wiper blades in particular according to [one of claims 1 or 2] claim 1, with band-like, elongated, spring-elastic support elements (14), each for a respective wiper strip (22), which is associated with each wiper blade (10), can be placed against the window (12), and is disposed on the lower band surface (21) oriented toward the window, where the upper band surface (15) oriented away from the window supports a cap (28) on each of the two end sections of each support element (14), characterized in that the widths of the support elements (14) in this end section are the same size, independent of the other dimensions of these support elements.
4. The wiper blades according to Fig. 3, characterized in that the caps (28) embrace the two remote outer longitudinal edges (34) of each of the support element (14) in a form-fitting manner with longitudinal shoulders (43).

5. The wiper blades according to [one of claims 1 or 2] claim 1, characterized in that the support elements (14) are embodied as one-piece bands, which have the same width in the vicinity of the seat position of the device halves (16).

6. The wiper blades according to [one of claims 1, 2, or 5] claim 1, characterized in that the width (36) of the seat position for the half (18) is constituted by a partial lateral constriction (217 or 517) of the support element (214 or 514).

7. The wiper blades according to [one of claims 1, 2, or 5] claim 1, characterized in that the width (36) of the seat position for the half (18) is constituted by a partial lateral widening (317 or 617) of the support element (314 or 614).

8. The wiper blades according to claim 6, characterized in that the length (218 or 518) of the constriction (217 or 517) is matched to the length of the wiper blade device half (18).

9. The wiper blades according to [one of claims 3 or 4] claim 3, characterized in that the support elements (114, 214, or 314) are embodied as one-piece bands, which have the same width (40) in the vicinity of the seat position of the cap (28).

10. The wiper blades according to claim 9, characterized in that the width of the seat position for the caps (28) is constituted by a partial lateral constriction (219 or 519) of the support element (214 or 514).

11. The wiper blades according to claim 9, characterized in that the width (40) of the seat position for the caps (28) is constituted by a partial lateral widening (318 or 618) of the support element (314 or 614).

12. The wiper blades according to claim 10, characterized in that the length of the constriction (519) is matched to the length of the cap (28).

13. The wiper blades according to [one of claims 1 to 12] claim 1, characterized in that the support elements (414, 514, or 614) are comprised of two parallel spring strips (456, 556, or 656) spaced apart from each other by a distance (57).

14. The wiper blades according to claim 13, characterized in that the two spring strips (456, 556, or 656) comprising a single support element (414, 514, or 614) are disposed in longitudinal grooves (44) of the wiper strip (52), which grooves are disposed in a common plane, spaced a distance (53) apart from the window (12) and the bases of these grooves are spaced apart from each other by a distance (57).

Claims

1. Wiper blades of various dimensions for windows of motor vehicles, with band-like, elongated, spring-elastic support elements (14), each for a respective wiper strip (22), which is associated with each wiper blade (10), can be placed against the window (12), and is disposed on the lower band surface (21) oriented toward the window, where in a longitudinal midsection of each support element, the upper band surface (15) oriented away from the window supports a wiper blade half (16) of a connecting device (18), characterized in that the widths (36) of the support elements in this longitudinal midsection are the same size independent of the other dimensions of these support elements.
2. The wiper blades according to claim 1, characterized in that the wiper blade half (16) of the connecting device (18) embraces the two remote outer longitudinal edges (34) of each support element (14) in a form-fitting manner with longitudinal shoulders (31).
3. The wiper blades in particular according to claim 1, with band-like, elongated, spring-elastic support elements (14), each for a respective wiper strip (22), which is associated with each wiper blade (10), can be placed against the window (12), and is disposed on the lower band surface (21) oriented toward the window, where the upper band surface (15) oriented away from the window supports a cap (28) on each of the two end sections of each support element (14), characterized in that the widths of the support elements (14) in this end section are the same size, independent of the other dimensions of these support elements.
4. The wiper blades according to Fig. 3, characterized in that the caps (28) embrace the two remote outer longitudinal edges (34) of each of the support element (14) in a form-fitting manner with longitudinal shoulders (43).

5. The wiper blades according to claim 1, characterized in that the support elements (14) are embodied as one-piece bands, which have the same width in the vicinity of the seat position of the device halves (16).

6. The wiper blades according to claim 1, characterized in that the width (36) of the seat position for the half (18) is constituted by a partial lateral constriction (217 or 517) of the support element (214 or 514).

7. The wiper blades according to claim 1, characterized in that the width (36) of the seat position for the half (18) is constituted by a partial lateral widening (317 or 617) of the support element (314 or 614).

8. The wiper blades according to claim 6, characterized in that the length (218 or 518) of the constriction (217 or 517) is matched to the length of the wiper blade device half (18).

9. The wiper blades according to claim 3, characterized in that the support elements (114, 214, or 314) are embodied as one-piece bands, which have the same width (40) in the vicinity of the seat position of the cap (28).

10. The wiper blades according to claim 9, characterized in that the width of the seat position for the caps (28) is constituted by a partial lateral constriction (219 or 519) of the support element (214 or 514).

11. The wiper blades according to claim 9, characterized in that the width (40) of the seat position for the caps (28) is constituted by a partial lateral widening (318 or 618) of the support element (314 or 614).

12. The wiper blades according to claim 10, characterized in that the length of the constriction (519) is matched to the length of the cap (28).

13. The wiper blades according to claim 1, characterized in that the support elements (414, 514, or 614) are comprised of two parallel spring strips (456, 556, or 656) spaced apart from each other by a distance (57).

14. The wiper blades according to claim 13, characterized in that the two spring strips (456, 556, or 656) comprising a single support element (414, 514, or 614) are disposed in longitudinal grooves (44) of the wiper strip (52), which grooves are disposed in a common plane, spaced a distance (53) apart from the window (12) and the bases of these grooves are spaced apart from each other by a distance (57).